Haley Morgan

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PROFESSIONAL EXPERIENCE

Axle Technologies

Backend Software Engineer (contract)   JAN 2023 – MAR 2023

- Developed and maintained event-driven architecture for Axle's flagship product, Beacon, an AI-driven assistant for logistics operations teams using Go, AWS lambdas, SQS, and a React frontend chrome extension
- Developed external integrations with TMS's (transportation management systems) using Go, Python, MySQL, Docker, and AWS architecture to enable cross-platform syncing of customer data
- Developed and maintained Axle's API product, Mercury, which normalizes and stores transportation ELD device data
- Contribute to key product decisions and collaborate closely with founders to architect user experiences around large language models and automated workflows

Datapeople   AUG 2021 – DEC 2023

Senior Backend Software Engineer   SEP 2022 – DEC 2023

- Lead redevelopment of Python ETL data pipelines and cloud architecture improvements to process HRIS/ATS data
- Developed and maintained internal Python APIs for R&D team and product analytics tools
- Design and maintain cloud infrastructure and automate creation of AWS resources including ECS tasks, step functions, lambda functions, s3 buckets, logs, databases, users/permissions (using Terraform)
- Collaborate with founders, frontend engineers, product leads, customer success team leads, and external stakeholders for necessary project planning and progress communication

Backend Software Engineer   AUG 2021 – SEP 2022

- Design, develop, and refactor custom customer integrations in a common architecture to enable use of HR data from 3rd party ATS APIs (using Python, MySQL, Docker, combination of AWS services)
- Develop and maintain automation tools for in-house use by non-technical product managers to automate setup process for new customer integration requests
- Develop and maintain documentation surrounding data pipelines, integrations, internal APIs, architecture decisions

BNY Mellon, Data & Analytics Solutions

Software Engineer   SEP 2020 – AUG 2021

- Designed and developed custom data pipeline microservices using Python, Flask, and PostgreSQL, and Kubernetes, ensuring efficient processing and loading of multisource data
- Developed command line tools for enabling non-technical business users to manage their own access to database, promoting self-service data access and enhancing operational autonomy
- Managed service deployments in development, staging, and production environments, ensuring seamless transitions and operational continuity

Boston Fusion Corporation

Software Engineer (Security Clearance: Top Secret)   OCT 2019 - SEP 2020

- Designed and developed machine learning software for anomaly detection research programs in direct consultation with project Principal Investigator (PI)
- Developed parsers to fuse multisource data to develop and integrate large processed datasets for use in predictive analytics and software programs
- Lead UI development for design, build, and production of full-stack web applications according to client specifications

EDUCATION

University of Pennsylvania (UPenn) - *Professional Certificate, Computer Science Essentials*

Worcester Polytechnic Institute (WPI) - *Bachelor of Science, Civil and Environmental Engineering*

TECHNICAL SKILLS

Languages: Python, Go, SQL (PostgreSQL, MySQL), JavaScript, Typescript, React, HTML, CSS, Java

Tooling/Other: AWS, Azure, Digital Ocean, Docker, Terraform, Kubernetes, Git, APIs, data pipelines, ETL